

Product datasheet for **RG211362**

ECE2 (EEF1AKMT4) (NM_001037324) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ECE2 (EEF1AKMT4) (NM_001037324) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ECE2
Synonyms:	EEF1AKMT4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG211362 representing NM_001037324
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACGTCGCGCTGCAGGAGCTGGGAGCTGGCAGCAACGTGGGATTCAGAAGGGGACAAGACAGCTGT
 TAGGCTCACGCACGCAGCTGGAGCTGGTCTTAGCAGGTGCTCTCTACTGCTGGCTGCACCTGCTTCTGGG
 CTGCCTTGTGGCCCTAGGGGTCCAGTACCACAGAGACCCATCCCACAGCACCTGCCTTACAGAGGCTGC
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 TCTCTGTGGGGCTGGATTCGGAGGAACCCCTGCCGATGGCGTTCTCGCTGGAACACCTTCAACAG
 CCTCTGGACAAAACCAGGCCATACTGAAGCACCTGCTTGA AACACCACCTTCAACTCCAGCAGTGAA
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 ACTACTTAAACAGAACTGCCAATGAGAAAGTGCTCACTGCCTATCTGGATTACATGGAGGAACTGGGGAT
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 GCGAGTATGACAAAGAAGGGAACCTGCGGCCCTGGTGGCAGAATGAGTCCCTGGCAGCCTTCCGGAACCA
 CACGGCCTGCATGGAGGAACAGTACAATCAATACCAGGTCAATGGGGAGAGGCTCAACGGCCGCCAGACG
 CTGGGGGAGAACATTGCTGACAACGGGGGGCTGAAGGCTGCCTACAATGCTTACAAGCATGGCTGAGAA
 AGCATGGGGAGGAGCAGCAACTGCCAGCCGTGGGGCTACCAACCACCAGCTCTTCTTGTGGGATTTGC
 CCAGGTGTGGTCTCGTCCGCACACCAGAGAGCTCTCACGAGGGGCTGGTGACCGACCCCCACAGCCCT
 GCCCGCTCCCGCTGCTGGGCACTCTCTCAACTCCCGTGACTTCTGCGGCACTTCGGCTGCCCTGTGC
 GCTCCCCATGAACCCAGGGCAGCTGTGTGAGGTGTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG211362 representing NM_001037324
Red=Cloning site Green=Tags(s)

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MNVALQELGAGSNVGFQKGRQQLLSRSTQLELVLGASLLLAALLLGLVALGVQYHRDPHSHTCLTEAC
IRVAGKILESLDRGVSPCEDFYQFSCGGWIRRNPLPDGRSRWNTFNSLWDQNQAILKHLLENTTFNSSSE
AEQKTQRFYLSCLQVERIEELGAQPLRDLIEKIGGWNITGPWDQDNFMEVLKAVAGTYRATPFFTVYISA
DSKSSNSNVIQVDQSGFLPSRDYYLNRTANEKVL TAYLDYMEELGMLLGGRPTSTREQMQVLELEIQL
ANITVPQDQRRDEEKIYHKMSISELQALAPSMDWLEFLSFLLSPELSDSEPVVVYGM DYLQQVSELINR
TEPSILNNYLIWNLVQKTTSSLDRRFESAQEKLLLETLYGTTKSCVPRWQTCISNTDDALGFALGSLFVKA
TFDRQSKEIAEGMISEIRTAFFEEALGQLVWMEKTRQAAEKADAIYDMIGFPDFILEPKELDDVYDGYE
ISEDFFQNMLNLYNFSAKVMADQLRKPPSRDQWSMTPQTVNAYYLPKNEIVFPAGILQAPFYARNHPK
ALNFFGGIGVVMGHELTHAFDDQGREYDKEGNLRPWWQNESLAAFRNHTACMEEQYNQYQVNGERLNGRQT
LGENIADNGGLKAAYNAYKAWLRKHGEEQQLPAVGLTNHQLFFVGF AQVWC SVRTPES SHEGLVTDPHSP
ARFRVLGTLSNSRDFLRHFGCPVGSMPNPGQLCEVW
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001037324

ORF Size: 2208 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001037324.3](#)

RefSeq Size: 3162 bp

RefSeq ORF: 2211 bp

Locus ID: 9718

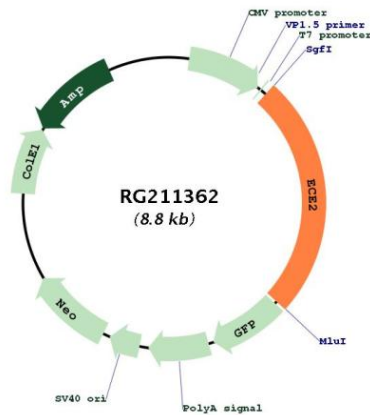
UniProt ID: [P0DPP6](#)

Cytogenetics: 3q27.1

Protein Families: Druggable Genome, Protease, Transmembrane

Gene Summary: Converts big endothelin-1 to endothelin-1. May also have methyltransferase activity (By similarity). May play a role in amyloid-beta processing (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG211362